

XUANMENG ZHANG

✉ zhangxuanmeng.zxm@gmail.com · ☎ (+61) 0450547526 · 🌐 Github · 🏠 Homepage

EDUCATION

University of Technology Sydney Sydney, Australia
Ph.D. Student, Research interest: Generative Models, 3D AIGC 2021.08 – 2025.08
Zhejiang University Hangzhou, China
B.Eng. in Automation & B.Eng. in Computer Science 2016 – 2020
Honor class in Chu Kochen Honors College

EXPERIENCE

National University of Singapore Singapore
Research Intern in NExT++ Lab 2022.03 – 2022.08

- Developed a compositional scene generation framework for editable multi-object scenarios.
- Authored a research paper published on IJCV.

Alibaba Group Hangzhou, China
Research Intern in Tongyi Lab 2021.08 – 2021.11

- Focused on the single-object 3D generation techniques.
- Authored a research paper published on CVPR.

Baidu Inc. Beijing, China
Research Intern in Department of Computer Vision Technology (VIS) 2020.05 – 2021.05

- Developed a robust vehicle re-identification system for smart traffic management. Achieved first place in the 4-th AICity Challenge and second place in the 5-th AICity Challenge.
- Developed methodologies of depth completion for Autonomous Driving and authored a research paper published on PR.

PUBLICATION

1. AvatarStudio: High-fidelity and Animatable 3D Avatar Creation from Text. *IJCV 2025*
Xuanmeng Zhang, Jianfeng Zhang, Huichao Zhang, Jun Hao Liew, Chenxu Zhang, Yi Yang, and Jiashi Feng. [\[Project\]](#) [\[Code\]](#)
2. Self-Ensembling Depth Completion via Density-aware Consistency. *PR 2025*
Xuanmeng Zhang, Zhedong Zheng, Minyue Jiang, and Xiaoqing Ye [\[Paper\]](#)
3. Multi-View Consistent Generative Adversarial Networks for Compositional 3D-aware Image Synthesis. *IJCV 2023*
Xuanmeng Zhang, Zhedong Zheng, Daiheng Gao, Bang Zhang, Yi Yang, and Tat-Seng Chua [\[Paper\]](#)
4. GETAvatar: Generative Textured Meshes for Animatable Human Avatars. *ICCV 2023*
Xuanmeng Zhang, Jianfeng Zhang, Rohan Chacko, Hongyi Xu, Guoxian Song, Yi Yang, and Jiashi Feng [\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
5. Multi-View Consistent Generative Adversarial Networks for 3D-aware Image Synthesis. *CVPR 2022*
Xuanmeng Zhang, Zhedong Zheng, Daiheng Gao, Bang Zhang, Pan Pan, and Yi Yang [\[Paper\]](#) [\[Code\]](#)
6. Robust Vehicle Re-identification via Rigid Structure Prior. *CVPR 2021*
Minyue Jiang, **Xuanmeng Zhang**, Yue Yu, Zechen Bai, Zhedong Zheng, Zhigang Wang, Jian Wang, Xiao Tan, Hao Sun, Errui Ding, and Yi Yang [\[Paper\]](#) [\[Code\]](#)
7. Going Beyond Real Data: A Robust Visual Representation for Vehicle Re-Identification. *CVPR 2020*
Zhedong Zheng, Minyue Jiang, Zhigang Wang, Jian Wang, Zechen Bai, **Xuanmeng Zhang**, Xin Yu, Xiao Tan, Yi Yang, Shilei Wen, and Errui Ding [\[Paper\]](#) [\[Code\]](#)
8. Single-view 3D Portrait Creation with Video Diffusion Prior. *In submission*
Xuanmeng Zhang et al.